

All the Reasons to be a Fan of PCC's *Strategic Directions* 2015-2017

**Shifting from Authorities to People,
Places, Events, Awards...**

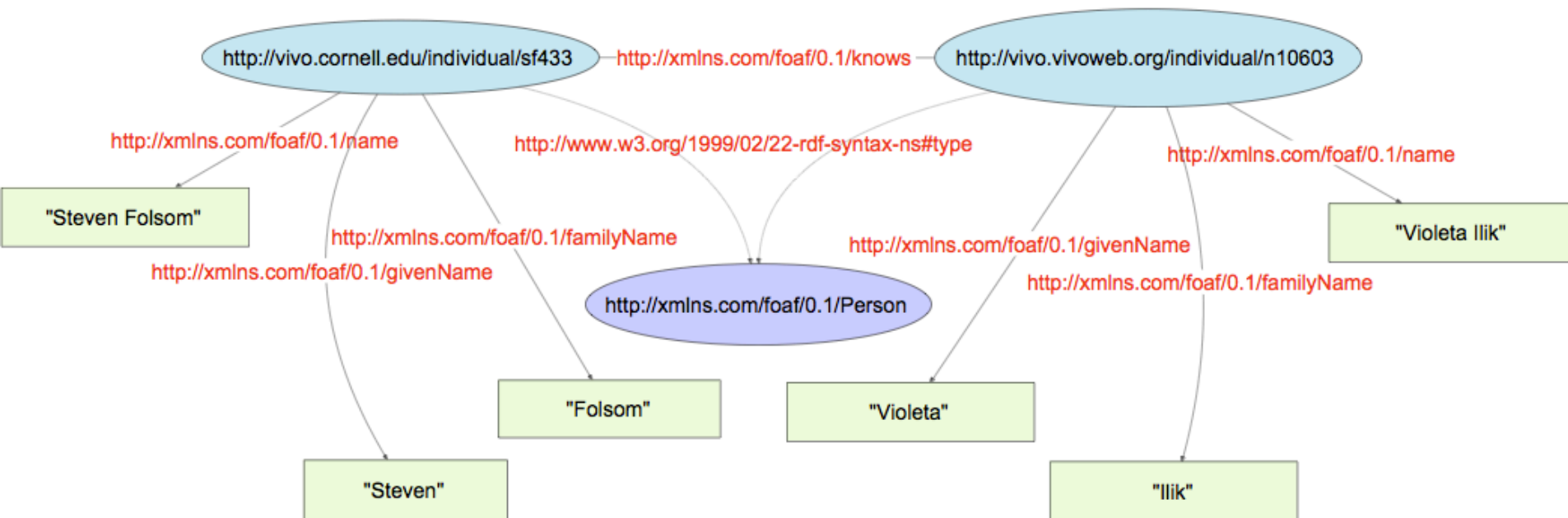
PCC Strategic Direction 3

“Existing methods of library authority control are based on constructing unique authorized access points as text strings (literals). **This string-based approach works somewhat well in the closed environment of a traditional library catalog, but not in an open environment** where data are shared and linked, and so require unique identifiers. **The web presents both a challenge and an opportunity for libraries**, which are now in a position to take advantage of authorities created outside of the library world, and also to contribute library authority data for use by other communities.”

In linked data a URI identifies
the thing.

The thing can have labels (even
preferred labels) and
relationships to other things,
**but none of these traits
identify the thing.**

URIs Continued



Records/Authorities and the Things They Describe

- Libraries have Records/Authorities *about* things
- The web has webpages *about* things
- When we talk about linked data we mean URIs that identify the things themselves, with associated data.
- We need information resources to be separate entities from the things themselves
 - A *Person* and *Record/Authority/Website About a Person* have different traits, e.g.
 - Creators/Creation dates (You can do the math.)
 - Size (height and weight vs. bytes)
 - Suppressed means something completely different when talking about a person (or class of persons) vs. a record

- <marcxml:datafield tag="100" ind1="1" ind2=" " >
 <marcxml:subfield code="a">King, Martin Luther,</marcxml:subfield>
 <marcxml:subfield code="c">Jr.,</marcxml:subfield>
 <marcxml:subfield code="d">1929-1968</marcxml:subfield>
 </marcxml:datafield>
- <marcxml:datafield tag="370" ind1=" " ind2=" " >
 <marcxml:subfield code="a">Atlanta (Ga.)</marcxml:subfield>
 <marcxml:subfield code="b">Memphis (Tenn.)</marcxml:subfield>
 <marcxml:subfield code="c">United States</marcxml:subfield>
 <marcxml:subfield code="2">naf</marcxml:subfield>
 </marcxml:datafield>
- <marcxml:datafield tag="373" ind1=" " ind2=" " >
 <marcxml:subfield code="a">Morehouse College (Atlanta, Ga.)</marcxml:subfield>
 <marcxml:subfield code="s">1944</marcxml:subfield>
 <marcxml:subfield code="t">1948</marcxml:subfield>
 </marcxml:datafield>
- <marcxml:datafield tag="373" ind1=" " ind2=" " >
 <marcxml:subfield code="a">Crozer Theological Seminary</marcxml:subfield>
 <marcxml:subfield code="2">naf</marcxml:subfield>
 <marcxml:subfield code="t">1951</marcxml:subfield>
 </marcxml:datafield>
- <marcxml:datafield tag="373" ind1=" " ind2=" " >
 <marcxml:subfield code="a">Boston University</marcxml:subfield>
 <marcxml:subfield code="2">naf</marcxml:subfield>
 <marcxml:subfield code="t">1955</marcxml:subfield>
 </marcxml:datafield>
- <marcxml:datafield tag="373" ind1=" " ind2=" " >
 <marcxml:subfield code="a">Southern Christian Leadership Conference</marcxml:subfield>
 <marcxml:subfield code="2">naf</marcxml:subfield>
 <marcxml:subfield code="s">1957</marcxml:subfield>
 </marcxml:datafield>

URIs are useful in MARC **right now.**

My position paper previously posted to the PCC list:
<http://bit.ly/1BMQ0ed>

It's with this understanding that I've
taken the position...

I ***strongly oppose*** AAPs as a means of identification.
You should too.

- If you're a **manager** with a backlog and have to deal with AAPs, you'll love entities with URIs.
- If you're a **cataloger** and have to create unique AAPs, you'll love entities with URIs.
- If you're a **data munger** and have to collate/disambiguate using AAPs, you'll love entities with URIs.

This is not science fiction.

With enough data attached to an entity/URI, an AAP-like display can be created algorithmically.

The Good News:

The PCC Strategic Plan recognizes the challenges and potential of new strategies.

LD4L

Some of the Entities Cornell/LD4L Is Experimenting With

bf:Work

bf:Instance

fabio:Item

bf:Topic

foaf:Person

foaf:Organization

prov:Activity

madsrdf:TitleElement

schema:Event


mo:Performance

schema:EventVenue

LD4L Use Case 2.1

- See and search on works by **people** to discover more works, and better understand **people**
- Pilot using MARC records for theses, to create BIBFRAME with links to faculty advisors represented in Cornell's VIVO (a semantic web faculty profiling system)
 - VIVO data is enriched by catalog data
 - Catalog data is enriched by VIVO data

New Cornell Heading Browse in our Catalog

 Cornell University Library

SEARCH /

Library Catalog

Selected Items | Search History | Search Tips | Ask a Librarian

Browse

ADVANCED SEARCH | BROWSE | MY ACCOUNT

[Start over](#)

Browse "Ceci, Stephen" in author headings

[« Previous](#) | [Next »](#)

Titles	Headings	Type
14	Ceci, Stephen J. Info	Personal Name
2	Ceci, Stephen John → See Ceci, Stephen J. (14)	Personal Name
2	Cecidological Society of India Info	Corporate Name
	CECIIS → See Central European Conference on Information and Intelligent Systems (1)	Event

New Heading Browse to Entity Display



Cornell University
Library



[Q SEARCH](#) /

[Selected Items](#) | [Search History](#) | [Search Tips](#) | [Ask a Librarian](#)

Library Catalog

Browse

[Q ADVANCED SEARCH](#) | [BROWSE](#) | [MY ACCOUNT](#)

[Back to list](#)

Ceci, Stephen J.

Works by: [14 Title\(s\)](#)

Works about: [0 Title\(s\)](#)

Reference Info

Alternate form(s): Ceci, Stephen John

Headings type: Personal Name

Description

Field: Developmental Psychology

Occupation: College Teachers

Gender: Male

Group/Organization: New York State College Of Human Ecology

Enhancements (With Reciprocity)

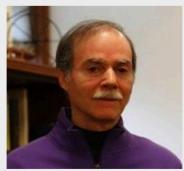
VIVO

Research & Expertise
Across Cornell

Index | Log in

Search

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Ceci, Stephen John | Helen L. Carr Professor of Developmental Psychology

[Link](#) [QR](#) [Print](#)

Positions

[► Professor, Human Development \(HD\), College of Human Ecology \(CHE\)](#)

Currently, with Wendy Williams, I am in the throes of a major project examining sex differences in cognitive performance, which has culminated this year in one authored book, two chapters, and a review article (*Current Directions in Psychological Science*). We also created the Cornell Institute for Women in Science (CIWS) web page, and had an article accepted in the Proceedings of the National Academy of Sciences (PNAS) which was selected as a feature article ("This week in PNAS", or TWIP (... [more](#)))

Websites

[Human Ecology profile](#)
[Cornell Institute for Women in Science](#)
[Cornell Library: Books authored](#)
[Cornell Library: Theses advised](#)

Networks

[Co-author Network](#)

[Map of Science](#)

Affiliations

Extension

Research

Publications

Teaching

Service

Background

Other

View All

teaching activities

[COMM-1840: Six Pretty Good Books: Explorations in Social Science – Fall 2012](#)

[COMM-2580: Six Pretty Good Books: Explorations in Social Science – Fall 2014](#)

[COMM-4580: The Science of Social Behavior – Fall 2014](#)

LD4L Use Case 4

Pilot Goals

- Model non-MARC metadata from Cornell Hip Hop Flyer Collection to RDF
 - Test BIBFRAME for describing the flyers
 - Test the use of other ontologies for describing other entities, e.g. events, venues (more on this in a moment)
- Use of LinkedBrainz URIs for performers and other types of entities found in HipHop Flyers to discover relationships to other entities to discover relationships to other entities...

MusicBrainz



Afrika Bambaataa

~ Person

Overview

Releases

Recordings

Works

Events

Relationships

Aliases

Tags

Details

Edit

Legal name: [Kevin Donovan](#)

Wikipedia

Kevin Donovan (born April 19, 1957), better known by the stage name **Afrika Bambaataa**, is an American DJ from the South Bronx, New York. He is notable for releasing a series of genre-defining electro tracks in the 1980s that influenced the development of hip hop culture. Afrika Bambaataa is one of the originators of breakbeat DJing and is respectfully known as "The Godfather" and "Amen Ra of Hip Hop Kulture," as well as the father of electro funk. Through his co-opting of the street gang the Black Spades into the music and culture-oriented Universal Zulu Nation, he has helped spread Hip Hop Culture throughout the world.

[Continue reading at Wikipedia...](#) Wikipedia content provided under the terms of the [Creative Commons BY-SA license](#)

[Filter](#)

Discography

Album

Year	Title	Artist	Rating	Releases
1984	Unity	Afrika Bambaataa & James Brown	★★★★★	1
1986	Beware (The Funk Is Everywhere)	Afrika Bambaataa	★★★★★	2
1988	The Light	Afrika Bambaataa	★★★★★	1
2004	Dark Matter Moving at the Speed of Light	Afrika Bambaataa	★★★★☆	2
—	Zulu Nation War Chant	Afrika Bambaataa	★★★★★	1

Album + Compilation

Year	Title	Artist	Rating	Releases
1997	Zulu Groove	Afrika Bambaataa	★★★★☆	1
1999	Electro Funk Breakdown	Afrika Bambaataa	★★★★☆	2
1999	The 12" Mixes	Afrika Bambaataa	★★★★★	1
2001	Looking for the Perfect Beat 1980-1985	Afrika Bambaataa	★★★★★	3
2003	Afrika Bambaataa Presents Eastside	Afrika Bambaataa	★★★★★	1

About the Hip Hop Flyers



Flyers as BIBFRAME Work/Instances



schema:Event/mo:Performance



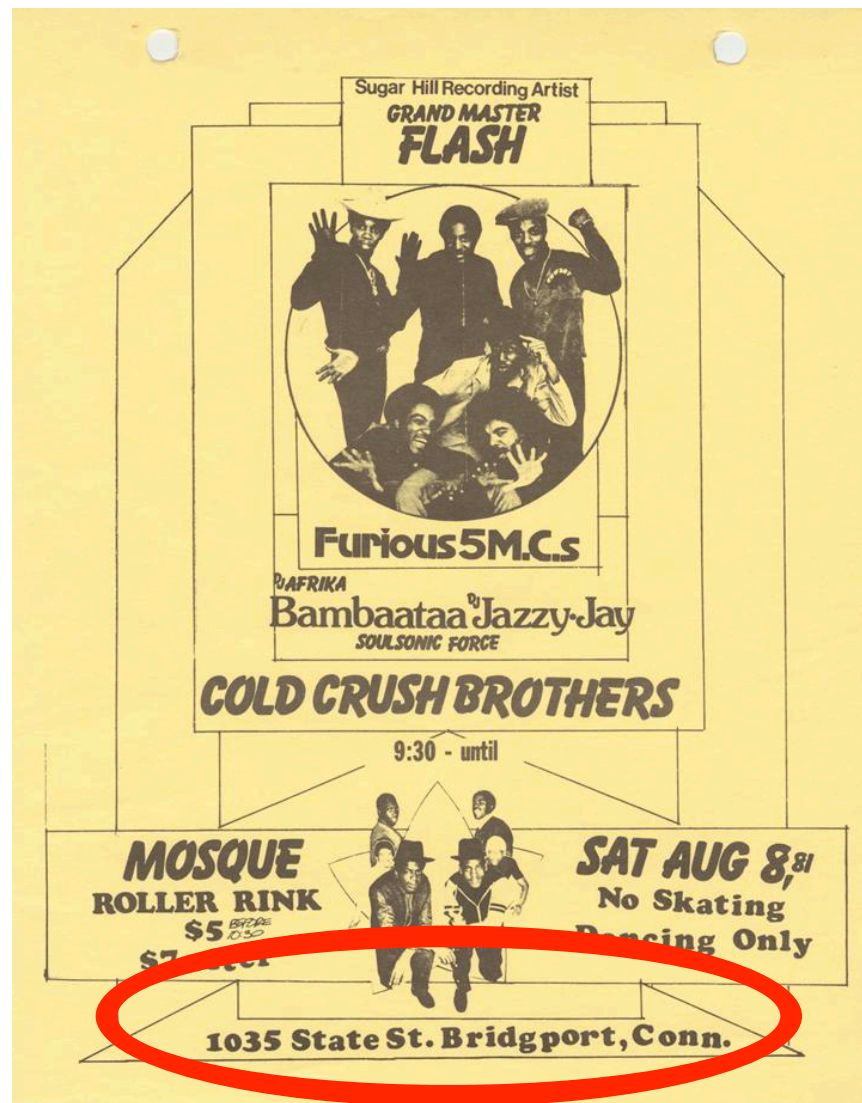
Schema:EventVenue



mo:MusicArtist mo:SoloMusicArtist mo:MusicGroup

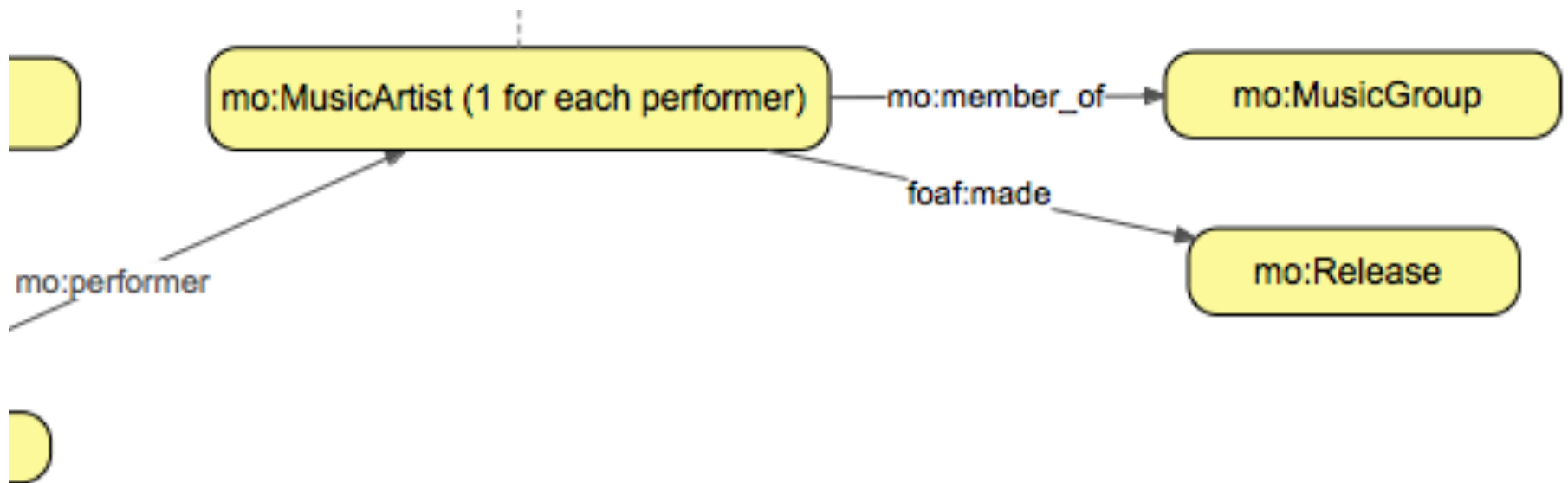


schema:PostalAddress



Linking to external Graphs

When we have a LinkedBrainz URI for instances of `mo:MusicArtist` we can query for relationships to other entities and properties of these new entities.



Biggest Challenge

- Entity reconciliation- Headings to Linked Data entities, e.g.
 - Labels/Authorities to foaf Agents
 - Labels/Authorities to Works/Instances
 - Labels/Authorities to Venues
 - Etc.
- It would help tremendously if...
 - We captured data in MARC with entities in mind, describing them more fully rather than labels
 - We began to point directly to entities using URIs

Them



VS



Image credit: <https://www.pinterest.com/Doctoredlocks/mermaid-hair/>



Why I'm a fan of PCC Strategic Directions

The Entity Approach is...

- **Durable-** as oppose to fragile strings
- **Extensible-** if we need a new entity type we find or create one
- **Reusable-** potential to align with modeling done elsewhere on the web

“Daddy, what are you doing?”

“This guy tells stories. I’m making sure people know about them.”

“Are you going to do that for everyone?”

“Yes.”

A LOT of People say/create/do really important things.

We're here to make sure these things are found.

We're here to make sure that these people are known.

We're here to provide greater context to their work.

Thank You.

<http://id.loc.gov/authorities/names/no2015079947>
<http://www.loc.gov/mads/rdf/v1#identifiesRWO>
<http://vivo.cornell.edu/individual/sf433>